

(REFERENCE COPY - Not for submission)

# FCC Form 399: Incentive Auction Relocation Reimbursement Fund System

File Number: **0000028773** | FRN: **0008114431** | Facility ID: **18301**  
 Repack Channel: **30 (UHF)** | Entity: **Broadcaster** | Filing Status: **Submitted**  
 Date Submitted: **07/13/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>EASTERN ILLINOIS UNIVERSITY Applicant</b>	Jeffrey Owens, Interim General Manager	+1 (217) 581-	jdowens@eiu. edu	Other
Doing Business As:	600 LINCOLN AVENUE CHARLESTON, IL 61920 United States	5956		

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

## Broadcaster Information and Transition Plan

Question	Response
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Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Replace transmitter and antenna and utilize existing transmission line. Install temporary antenna and transmission line for use during transition. Transmitter feeds approx. 500' of transmission line after mask filter to dual channel slotted antenna.

## Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	
	Ownership	Owned
	Owner	
	Site	
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	DiamondCD DHD60P2
	Year	2005
	Type	Solid state
	IOT Power Type	
	Description	
	Power capacity	
	Solid State Cooling	Air
	Solid State Power Capacity	14 kw
	Other Transmitter Type	

Primary  
Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Description of Use	
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-10
	Transmitter Type	Solid state
	IOT Power Type	
	Other	
	Power capacity	
	Solid State Cooling	Liquid
	Solid State Power Capacity	6 kw
	Other Transmitter Type	
	Justification for New Transmitter	Current transmitter can not be made to operate on new channel.

Primary  
Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No

	Power	
	Rigid Conduit and Wiring	No
	Size	
	Length	
	Other Electrical Service	Yes
	Description	Replace breakers and run conduit and wiring from existing service panel to new transmitter and related equipment.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	5 tons
	Other Size	
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	
	Is a channel 14 Mask Filer needed?	
	Is additional field engineering time needed?	
	Number of Days	

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
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<b>Heat Exchanger</b>	Equipment to dissipate heat from the transmitter and transfer heat to the outside.
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**Antennas**

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side-mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	255.00 kW



Manufacturer	
Model	ALP24M3- HSOC-50 /51
Year	2009

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side-mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	174.00 kW
	Manufacturer	

Model	ALP24M3-HSOC-30
Year	2017
Justification for New Antenna	Old antenna will not work with the new channel.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
Temporary Antenna	Reposition a section of current antenna for use as a temporary antenna.

<b>Transmission Line</b>	Section	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	No

<b>Tower Equipment And Rigging Costs</b>	Section	Question	Response
	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

<b>Primary Tower</b>	<b>Existing Tower</b>		
	Section	Question	Response
<b>Existing Tower Description</b>	Type of change		Modify Existing
	Tower Use		Primary (Main)
	Description of Use		N/A
	Ownership		Owned
	Is this tower consider Complex?		No
	Is this tower currently shared with any other stations?		No
	One or more FM, AM or TV radio broadcaster(s)		N/A
	Others Types of Users		N/A
	Is tower documented for structural analysis?		Yes
	Is tower compliant with Rev G?		Yes
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?		Yes
	ASR Number		1245858
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)		39° 34' 15.1" N-
	Longitude (NAD83)		088° 18' 25.6" W-

	Overall Structure Height	492.12 feet
	Support Structure Height	492.12 feet
	Ground Elevation Above Mean Sea Level (AMSL)	680.11 feet
	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Eastern Illinois University
	Date Constructed	04/25/2005

### Primary Tower

#### Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious Reinforcements needed

### Primary Tower

#### Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

### Primary Tower

#### Other Tower Expenses Not Listed

Name	Description
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<b>Replace Tower Lighting</b>	Cabling does not reach the required height.
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**Outside Professional Services Costs**

Section	Question	Response	
<b>Outside Project Management Services</b>	Do you require outside project management services?		
	Number of Hours	N/A	
	Explanation	N/A	
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes	
	Prepare engineering section of Form FCC Construction Permit Application	Yes	
	For Auxiliary Facility	N/A	
	For Main Facility	Yes	N /A
	Prepare engineering section of Form FCC License to Cover Application	Yes	
	For Auxiliary Facility	No	
	For Main Facility	Yes	
	Prepare request for Special Temporary Authority	Yes	
	Quantity	1	
	Do you have Distributed Transmission System engineering services?	N/A	
	Critical Facility	N/A	
	Terrain-Shielded Facility	N/A	
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	No	
	For Auxiliary Facility	N/A	
	For Main Facility	N/A	
	Prepare and file Form FCC License to Cover Application	No	
	For Auxiliary Facility	N/A	
	For Main Facility	N/A	



	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**

Information not provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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## Cost Information

### Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Transmitter ULXTE-10</b>	<b>\$284,220.00</b>	<b>\$274,075.57</b>		<b>\$0.00</b>	
Other -- HVAC Service Type: H Size:5 (Other)	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$260,000.00	\$249,855.57	N/A	N/A	N/A
Other Electrical Service: Replace breakers and run conduit and wiring from existing service panel to new transmitter and related equipment.	<i>\$7,720.00</i>	\$7,720.00	N/A	N/A	N/A
Heat Exchanger	<i>\$6,500.00</i>	\$6,500.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$284,220.00</b>	<b>\$274,075.57</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,537,922.00</b>	<b>\$823,617.57</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>

### Components

Information not provided.

Cost  
Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ALP24M3-HSOC- 30	\$102,277.00	\$68,672.00		\$0.00	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$85,000.00	\$51,545.00	N/A	N/A	N/A
Temporary Antenna	<i>\$10,877.00</i>	\$10,877.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,400.00	\$6,250.00	N/A	N/A	N/A
Sub-total	\$102,277.00	\$68,672.00	N/A	\$0.00	N/A
Total for all systems	\$1,537,922.00	\$823,617.57	N/A	\$0.00	N/A

Components

Information not provided.

**Cost Information**      **Transmission Line**  
Information not provided.

**Cost Information**      **Tower Equipment and Rigging Costs**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$1,114,840.00	\$449,370.00		\$0.00	
Short Tower (less than 500')	\$80,000.00	\$80,000.00	N/A	N/A	N/A
Serious tower reinforcement /modifications	\$1,000,000.00	\$339,650.00	N/A	N/A	N/A
Replace Tower Lighting	<i>\$22,840.00</i>	\$22,840.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,000.00	\$6,880.00	N/A	N/A	N/A
Sub-total	\$1,114,840.00	\$449,370.00	N/A	\$0.00	N/A
Total for all systems	\$1,537,922.00	\$823,617.57	N/A	\$0.00	N/A

**Components**  
Information not provided.

## Cost Information

### Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$21,000.00</b>	<b>\$18,500.00</b>		<b>\$0.00</b>	
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,500.00	\$3,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,000.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,000.00	\$6,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,500.00	\$1,000.00	N/A	N/A	N/A

ASR modification (prepare FCC Form 854)	\$2,000.00	\$2,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$21,000.00	\$18,500.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$1,537,922.00	\$823,617.57	N/A	\$0.00	N/A

## Components

Information not provided.



## Cost Information

### Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$15,585.00</b>	<b>\$13,000.00</b>		<b>\$0.00</b>	
FCC Filing Fees - Form 2100 minor change CP application	\$1,070.00	\$0.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$500.00</i>	\$500.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$325.00	\$0.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$190.00	\$0.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$500.00</i>	\$500.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,000.00	\$10,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$15,585.00</b>	<b>\$13,000.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,537,922.00</b>	<b>\$823,617.57</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>

## Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$1,537,922.00	\$823,617.57	\$0.00

Construction Status	Question	Response
	Is construction complete?	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Paul McCann</b>  <i>Interim Vice President for Business affairs</i></p> <p>07/13/2017</p>

## Attachments